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C O N F I D E N T I A L STATE 061251

E.O. 11652: GDS

TAGS: TECH, ENRG, KS

SUBJECT: 1977 MEETING IN SEOUL OF JOINT STANDING COMMITTEE
ON NUCLEAR AND OTHER ENERGY TECHNOLOGY MATTERS

REF: (A) SEOUL 1427 (B) SEOUL 1302 (C) SEOUL 20017

(D) SEOUL 10192 (E) SEOUL 15708 (F) SEOUL 1389

(G) AGREED SUMMARY RECORD OF DISCUSSION, JUNE 1976

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1. DEPARTMENT AND OTHER INTERESTED AGENCIES AGREE TO FOUR
OF THE MAJOR AGENDA ITEMS RECOMMENDED REFTEL A; NAMELY,
COOPERATION FOR DEVELOPMENT "F NUCLEAR TECHNOLOGY WITH
EMPHASIS ON NUCLEAR FUEL; CONSERVATION OF FUELS, BIOGAS
GENERATION; AND TIDAL POWER.

2. RE COOPERATION FOR DEVELOPMENT OF NUCLEAR POWER TECHNOLOGY, WE RECOMMEND MEETINGS BEGIN WITH ROK OVERVIEW OF TOTAL PROGRAM AND RELEVANCE TO ITEM 3B REF G. FYI. U.S. SIDE WOULD NOT INTEND TO RAISE SUBJECT OF ROK EFFORTS TAKEN SINCE JUNE MEETINGS ON ITEM 3C OF REF G, ENTITLED OVERALL FUEL CYCLE TECHNOLOGY. HOWEVER, IF ROK VOLUNTEERS, FURTHER ATTITUDES RE PACIFIC BASIN REGIONAL FACILITY PARTICIPATION WOULD BE OF INTEREST. END FYI.

(A) NUCLEAR FUEL -- MEETINGS COULD NEXT PROCEED WITH ROK REVIEW OF KOREA NUCLEAR FUEL DEVELOPMENT CORPORATION (KNFDC) CURRENT ACTIVITIES AND PLANS FOR FUTURE FUEL FABRICATION, INCLUDING STATUS COMMERCIAL TALKS. RE REFTEL B PARA 4 AND DEPARTMENT VIEWS REFLECTED REFTEL C, DEPARTMENT WOULD LIKE TO KNOW KNFDC DIRECTOR CHU CHAYANG INTENDS TO PURSUE FUEL FABRICATION INFORMATION EXCHANGE THROUGH U.S. FIRM AND IF SUBJECT WILL BE ADDRESSED AT SPRING MEETING. FYI. DEPARTMENT PREFERS TO MINIMIZE DISCUSSION OF GEOLOGICAL SURVEY FOR ORES AS AGENDA ITEM. ERDA DOES NOT SEND URANIUM EXPLORATION TEAMS ABROAD BUT FROM TIME TO TIME IT DOES ACCEPT FOREIGN NATIONALS AT THEIR OWN EXPENSE FOR VISITS TO URANIUM MINING AND MILLING SITES IN THE U.S. END FYI. EMBASSY SHOULD INDICATE GENERAL INTEREST IN BRIEF DISCUSSION BY ROK ON SUBJECT OF GEOLOGICAL SURVEYS OF ENERGY RESOURCES. ALTHOUGH WE ARE NOT RECOMMENDING DISCUSSION OF COAL AS AGENDA ITEM, USG IS INTERESTED IN KNOWING OF POTENTIAL FOR INCREASED COAL UTILIZATION IN ROK. IF OF SUFFICIENT CONFIDENTIAL

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INTEREST, COAL RESOURCE ASSESSMENT AND MINING TECHNOLOGY REVIEW COULD BE ASSOCIATED WITH GEOLOGICAL SURVEY DISCUSSION.

(B) KAERI TRAINING CENTER AND SIMULATOR SPECIFICATION -- IN REPLY TO REF F, AID INDICATES SUPPORT (TRAVEL AND PER DEIM) OF TWO EXPERTS FOR UP TO TWO WEEKS. ANL WILL PAY SALARIES FOR THIS PERIOD. WITH RESPECT TO TRAVEL FUNDED UNDER AUTHORITY SECTION 661, CONFIRMATION IS REQUIRED OF REASONABLE EXPECTATION OF SECTION 607 FOLLOW-ON PER STATE 38633. IN VIEW OF THE IMPORTANCE WHICH THE USG ATTACHES TO THE SUCCESS OF SUCH A VISIT IN ENABLING KOR:A TO BETTER PREPARE FOR THE SAFE AND EFFICIENT OPERATION OF ITS POWER REACTORS, A REPRESENTATIVE OF ARONNE NATIONAL LABORATORY WILL PARTICIPATE IN JOINT STANDING COMMITTEE DISCUSSIONS TO ASCERTAIN PRECISELY THE WISHES AND NEEDS OF THE KOREANS REGARDING THEIR TRAINING REQUIREMENTS. BASED ON THIS DISCUSSION, A TWO-MAN U.S. TEAM WILL BE SELECTED PROMPTLY AND SENT TO KOREA TO ADVISE

AND CONSULT ON A NUCLEAR POWER TRAINING PROGRAM.

(C) KAERI SISTER LAB ARRANGEMENT -- PLEASE ADVISE DEPARTMENT OF WHAT ROK WANTS TO DISCUSS UNDER EACH OF THREE POINTS (REF A PARA 3B).

(D) NRC-ROK ARRANGEMENT -- RE REF A, 3C, NRC REPRESENTATIVE PLANS TO ATTEND MEETINGS. THE STATUS OF SAFETY INFORMATION EXCHANGE WILL BE REVIEWED AND ANY OUTSTANDING PROBLEMS DISCUSSED. U.S. SIDE WILL ALSO BE

PREPARED TO DISCUSS ASSIGNMENT OF A KAEB ENGINEER TO WORK WITHIN NRC STAFF OR 1-2 YEARS. PROPOSED ASSIGNMENT SHOULD BE IN AN AREA OF WORK NOT REQUIRING ACCESS TO PROPRIETARY INFORMATION. NRC IS PREPARED TO RESPOND TO SUGGESTIONS OF COOPERATION IN SPECIFIC REACTOR SAFETY R&D AREAS.

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EMBASSY REQUESTED ASK ROK FOR ADVANCE INFORMATION, IF AVAILABLE, ON CURRENT ROK SAFETY R&D PROGRAM STATUS. RE INSPECTION, USG PREPARED TO AUTHORIZE ROK INSPECTORS IN TRAINING, TO ACCOMPANY U.S. INSPECTORS IN INSPECTION OF U.S. FACILITIES, AS INTEGRAL PART OF ROK SAFETY TRAINING PROGRAM. NRC IS ALSO DISCUSSING WITH KAEB ADDITIONAL PARTICIPATION OF ROK ENGINEERS IN ONE- TO THREE-WEEK NRC TRAINING COURSES AND WILL DISCUSS CURRENT STATUS AT THE MEETING.

(E) SITE VISITS IN SUPPORT OF ABOVE AGENDA ITEM WELCOME BY U.S. SIDE IF ROK AND EMBASSY CONSIDER THIS USEFUL TO BETTER UNDERSTANDING ROK PROGRAM, NEEDS AND INTERESTS.

3. RE CONSERVATION OF FUELS, DEPARTMENT NEEDS ADDITIONAL INFORMATION ON SPECIFIC AREAS OF ROK INTEREST. FOR EXAMPLE, WHAT ARE ROK PLANS AND WHAT BILATERAL COOPERATION MIGHT BE POSSIBLE?

4. RE BIOGAS GENERATION, U.S. CURRENTLY HAS A PROGRAM IN THIS AREA. EXPLANATION OF ROK PILOT PLANT PROGRAM FOR METHANE GAS GENERATION IS OF INTEREST TO USG. ROK PROPOSAL JUST RECEIVED AND NOW UNDER REVIEW BY ERDA.

5. RE TIDAL POWER, LOW HEAD HIGH VOLUME TURBINE SYSTEMS ARE OF INTEREST TO U.S. DEPARTMENT WILL APPRECIATE REVIEW OF KECO PLAN FOR TIDAL PLANT IN 1987 AS THIS COULD BE AREA OF JOINT INFORMATION EXCHANGE. ALSO INTERESTED IN SMALL-SCALE HYDRO SYSTEMS WHICH WE UNDER-

STAND ARE UNDER EXAMINATION.

6. COMMENTS FOLLOW ON SUBJECTS NOT PART OF PLANNED
AGENDA:

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(A) SCIENCE AND TECHNOLOGY AGREEMENT -- DEPARTMENT
SUGGESTS THAT ITEM REF A PARA 3E BE DELETED UNLESS THE
JOINT STANDING COMMITTEE HAS SOME PROPOSALS FOR PROGRAMS
TO BE BROUGHT UNDER THE S&T AGREEMENT. THE JOINT
STANDING CO MITTEE IS NOT RESPONSIBLE FOR THE DEVE'OP-
MENT OR THE ADMINISTRATION OF PROGRAMS UNDER THE AGREE-
MENT, WHICH IN SCOPE IS MUCH BROADER THAN THE COMMITTEE'S

MANDATE. THE "DISCUSSION BETWEEN NSF AND THE KOREAN
SCIENCE AND ENGINEERING FOUNDATION (KSEF), STILL IN THE
EXPLORATORY STAGE, MAY RESULT IN A MEMORANDUM OF UNDER-
STANDING. SUCH AN ARRANGEMENT WOULD CONSTITUTE THE
FIRST OF WHAT WE WOULD HOPE EVENTUALLY TO BE SEVERAL
SIMILAR AGENCY-TO-AGENCY COOPERATIVE ARRANGEMENTS UNDER
S&T AGREEMENT. DEPARTMENT WOULD WELCOME ROK'S THOUGHTS
ON POSSIBLE OTHER AGENCY-TO-AGENCY UNDERSTANDINGS, OVER
AND ABOVE THOSE UNDER DISCUSSION BETWEEN NSF AND KSEF
AT THIS TIME AND SUGGESTED IN PARA 3D.3 REFTEL A, WHICH
WOULD FALL UNDER THE S&T AGREEMENT.

7. FOR PLANNING PURPOSES, DEPARTMENT RECOMMENDS JOINT
SPRING MEETING LAST FOR TWO DAYS INCLUDING PERIOD FOR
COMPLETION OF SUMMARY RECORD OF DISCUSSIONS. U.S. DELE-
GATION WOULD BE AVAILABLE FOR DAY OF SITE VISITS AT ROK
DISCRETION.

8. U.S. JOINT STANDING COMMITTEE WILL BE LED BY LOUIS
NOSENZO, DEPUTY ASSISTANT SECRETARY FOR NUCLEAR ENERGY
AND ENERGY TECHNOLOGY AFFAIRS, DOS. OTHER MEMBERS U.S.
SIDE WILL BE IDENTIFIED SEPTTEL.

9. DEPARTMENT WILL APPRECIATE SCIATT AND ROK VIEWS OF
AGENDA PER THIS CABLE AND ADDITIONAL INFORMATION ASAP
TO ASSIST U.S. MEMBERS IN PROPERLY PLANNING OUR PARTICI-
PATION.

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